



Sheet 1 of 4

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

2853 (203-3410)

Application Number

10/620,134

Applicant

Roby et al.

Filing Date

July 15, 2003

Group Art Number

TBA

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
SPS	3,136,418	Jun., 1964	Stacy et al.			
A	3,162,307	Dec., 1964	Regan, Jr.			
	3,206,018	Sep., 1965	Lewis et al.			
	3,280,971	Oct., 1966	Regan, Jr.			
	3,338,019	Aug., 1967	Trewella et al.			
	3,338,401	Aug., 1967	Regan, Jr.			
	3,363,751	Jan., 1968	Shave et al.			
	3,444,994	May., 1969	Kaepernik et al.			
	3,487,917	Jan., 1970	Shave et al.			
	3,490,192	Jan., 1970	Regan, Jr.			
SPS	3,545,608	Dec., 1970	Berger			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	<del>680,089</del>	Oct., 1952	GB			no copy	
	<del>6,504,467</del>	Oct., 1966	NL			no copy	X
SPS	7,302,081	Aug., 1973	NL				X
SPS	2,331,638	Jun., 1977	FR				X
SPS	2,455,880	Dec., 1980	FR				X

## OTHER DOCUMENTS

Examiner

Date Considered

10-12-04

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>ABR</i>	3,613,879	Oct., 1971	Kemble	<i>/</i>	<i>/</i>	
<i>/</i>	3,627,120	Dec., 1971	Bordeau	<i>/</i>	<i>/</i>	
<i>/</i>	3,759,376	Sep., 1973	Lisowski	<i>/</i>	<i>/</i>	
<i>/</i>	3,779,375	Dec., 1973	Foster	<i>/</i>	<i>/</i>	
<i>/</i>	3,857,484	Dec., 1974	Thyen	<i>/</i>	<i>/</i>	
<i>/</i>	3,939,969	Feb., 1976	Miller et al.	<i>/</i>	<i>/</i>	
<i>/</i>	3,972,418	Aug., 1976	Schuler et al.	<i>/</i>	<i>/</i>	
<i>/</i>	3,985,227	Oct., 1976	Thyen et al.	<i>/</i>	<i>/</i>	
<i>/</i>	4,034,850 ✓	Jul., 1977	Mandel et al.	<i>/</i>	<i>/</i>	
<i>/</i>	4,063,638	Dec., 1977	Marwood	<i>/</i>	<i>/</i>	
<i>/</i>	4,089,409	May., 1978	Cerwin	<i>/</i>	<i>/</i>	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
<i>ABR</i>	3,027,836	Mar., 1982	DE	<i>/</i>	<i>/</i>		X
<i>ABR</i>	2,148,232	May., 1985	GB	<i>/</i>	<i>/</i>		
	<del>2,161,130A</del>	<del>Jan., 1986</del>	<del>GB</del>			<i>no copy</i>	

## OTHER DOCUMENTS


Examiner

*Bayan R. Fuchs*

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10-12-04

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>[Signature]</i>	4,120,395	Oct., 1978	Mandel et al.	/	/	
<i>[Signature]</i>	4,126,221	Nov., 1978	Cerwin	/	/	
<i>[Signature]</i>	4,135,623	Jan., 1979	Thyen	/	/	
<i>[Signature]</i>	4,183,431	Jan., 1980	Schmidt et al.	/	/	
<i>[Signature]</i>	4,249,656	Feb., 1981	Cerwin et al.	/	/	
<i>[Signature]</i>	4,253,563	Mar., 1981	Komarnycky	/	/	
<i>[Signature]</i>	4,284,194	Aug., 1981	Flatau	/	/	
<i>[Signature]</i>	D263505	Mar., 1982	Black	/	/	
<i>[Signature]</i>	4,369,880	Jan., 1983	Giggey et al.	/	/	
<i>[Signature]</i>	4,391,365	Jul., 1983	Batchelor	/	/	
<i>[Signature]</i>	4,406,363	Sep., 1983	Aday	/	/	
<i>[Signature]</i>	4,412,613	Nov., 1983	Kubas	/	/	
<i>[Signature]</i>	4,412,614	Nov., 1983	Ivanov et al.	/	/	
<i>[Signature]</i>	4,424,898	Jan., 1984	Thyen et al.	/	/	
<i>[Signature]</i>	4,427,109	Jan., 1984	Roshdy	/	/	
<i>[Signature]</i>	D272600	Feb., 1984	Kubas	/	/	
<i>[Signature]</i>	4,496,045	Jan., 1985	Ferguson et al.	/	/	
<i>[Signature]</i>	4,533,041	Aug., 1985	Aday et al.	/	/	
<i>[Signature]</i>	4,549,649	Oct., 1985	Roshdy	/	/	
<i>[Signature]</i>	4,555,016	Nov., 1985	Aday et al.	/	/	
<i>[Signature]</i>	4,572,363	Feb., 1986	Alpern	/	/	
<i>[Signature]</i>	4,573,575	Mar., 1986	Bergrath et al.	/	/	
<i>[Signature]</i>	4,574,948	Mar., 1986	Huck et al.	/	/	
<i>[Signature]</i>	4,574,957	Mar., 1986	Stead	/	/	
<i>[Signature]</i>	4,615,435	Oct., 1986	Alpern et al.	/	/	

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